Reply to the Office Action of May 28, 2009

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions, and listings, of claims in

the captioned patent application:

Listing of Claims:

1. (Currently Amended) An electrically conducting lead comprising:

a substantially electrically-insulative elongate body; and

an electrically conductive element, wound in an anticlockwise direction for a first length

of said body and in a clockwise direction for a second length of said body around a length of said

elongate body, having first and second ends and comprising a plurality of layers, each said layer

comprising a plurality of electrical conductors positioned within said conductive element,

wherein first ends of each of said conductors at the first end of said conductive element

are correspondingly identifiable at said second end of said conductive element as second ends of

each of said conductors, based on the corresponding position within said conductive element of each of said first and second ends of said conductors with respect to the positions of the other

conductors

2. (Original) The electrically conducting lead of claim 1 wherein the wound arrangement of the

electrically conductive element is a helically wound arrangement.

3. (Original) The electrically conducting lead of claim 1 wherein the electrically conductive

element extends from a first end to a second end of the lead.

4. (Original) The electrically conducting lead of claim 3 wherein the longitudinal extent of each

of said electrical conductors over the length of the lead from the first end to the second end is

substantially identical.

Reply to the Office Action of May 28, 2009

5. (Original) The electrically conducting lead of claim 4 wherein the longitudinal extent of the

electrical conductors over the length of the lead from the first end to the second end is identical.

6. (Cancelled)

7. (Currently Amended) The electrically conducting lead of $\underline{\text{claim 1}}$ $\underline{\text{elaim 6}}$ wherein the $\underline{\text{first}}$

length of the conductive element that is wound in an anticlockwise manner is substantially equal

to the second length of the conductive element that is wound in a clockwise manner.

8. (Original) The electrically conducting lead of elaim 7 claim 1 wherein the length of the

conductive element that is wound in an anticlockwise manner is equal to the length of the

conductive element that is wound in a clockwise manner.

9. (Original) The electrically conducting lead of claim 7 wherein the transition from

anticlockwise to clockwise windings, the conductive element is folded back on itself.

10. (Original) The electrically conducting lead of claim 1 wherein the conductive element is

wound in one direction for the length of said portion of the insulative body and further wherein

the layer is twisted by 180.degree. at a location along the length of the body.

11. (Original) The electrically conducting lead of claim 10 wherein the twist is at a midway

point of the length of the wound conductive element in the lead.

12. (Original) The electrically conducting lead of claim 1 wherein each layer of the conductive

element is comprised of a plurality of separate electrical conductors, with each layer having the

same number of conductors as the other layers in the element.

13. (Original) The electrically conducting lead of claim 1 wherein each layer of the conductive

element is comprised of a plurality of separate electrical conductors, with the number of

conductors of at least one of the layers varying from the number in one, more or all of the other

layers of the element.

Reply to the Office Action of May 28, 2009

14. (Original) The electrically conducting lead of claim 1 wherein the electrical conductors are

made of platinum.

15-23. (Cancelled)

24. (Currently Amended) An electrically conducting lead comprising:

a substantially electrically insulative elongate body; and

an electrically conductive element, wound in an anticlockwise direction for a first length of said body and in a clockwise direction for a second length of said body around a length of said elongate-body, having first and second ends and comprising a plurality of layers, each said layer

comprising a plurality of electrical conductors,

wherein said plurality of electrical conductors of at least one of the layers varies in

number from the number of conductors in at least one of the other layers, and

further—wherein said plurality of electrical conductors are positioned within said conductive element such that first ends of each of said conductors at the first end of said conductive element are correspondingly identifiable at said second end of said conductive element as second ends of each of said conductors, based on the corresponding position within said conductive element of each of said first and second ends of said conductors with respect to

the positions of the other conductors.

25. (Original) The electrically conducting lead of claim 24 wherein the number of conductors in

said one of the layers varies from the number in more than one of the other layers of the element.

Reply to the Office Action of May 28, 2009

26. (Currently Amended) An electrically conducting lead comprising:

a substantially electrically-insulative elongate body; and

remain constant between said first and said second ends of said insulative body,

an electrically conductive element, helically wound in an anticlockwise direction for a first length of said body and in a clockwise direction for a second length of said body, helically wound around a length of said elongate having first and second ends and comprising a plurality of layers, each said layer comprising a plurality of electrical conductors positioned within said conductive element such that the position of each of said plurality of electrical conductors comprising each layer with respect to said plurality of electrical conductors of neighboring layers

wherein each of said plurality of electrical conductors are positioned such that first ends of each of said conductors at the first end of said conductive element are correspondingly identifiable at said second end of said conductive element as second ends of each of said conductors, based on the corresponding position within said conductive element of each of said first and second ends of said conductors with respect to the positions of the other conductors.

27-28. (Cancelled)

29. (Currently Amended) The electrically conducting lead of elaim-7 claim 1 wherein with the longitudinal extent of each of said electrical conductors over said portion of the lead are substantially identical when in said wound arrangement.

30. (Cancelled)